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Substitute for form 1449APTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

### Complete if Known

Application Number	09/836,746
Filing Date	April 17, 2001
First Named Inventor	Andrew Patron
Group Art Unit	1845 59
Examiner Name	Unknown
Attorney Docket Number	41305-253159

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
TJW	1	4,591,570		Chang	5/27/1986	
	2	4,873,313		Crawford, et al.	10/10/1989	
	3	5,512,131		Kumar, et al.	4/30/1996	
	4	5,629,213		Kornguth, et al.	5/13/1997	
	5	5,731,152		Maracas, et al.	3/24/1998	
	6	5,733,743		Johnson, et al.	3/31/1998	
	7	5,837,832		Chee, et al.	11/17/1998	
	8	5,858,657		Winter, et al.	1/12/1999	
	9	5,871,907		Winter, et al.	2/16/1999	
	10	5,969,108		McCafferty, et al.	10/19/1999	
	11	5,977,322		Marks, et al.	11/2/1999	

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)				
TJW	12		WO 00/04382		Zyomyx, Inc.	1/27/2000		✓
	13		WO 00/04389		Zyomyx, Inc.	1/27/2000		✓
	14		WO 00/04390		Zyomyx, Inc.	1/27/2000		✓
	15		WO 00/47996		Illumina, Inc.	8/17/2000		✓
	16		WO 00/71992		Illumina, Inc.	11/30/2000		✓
	17		WO 00/71995		Illumina, Inc.	11/30/2000		✓
	18		WO 01/18524		Illumina, Inc.	3/15/2001		✓
	19		WO 90/02809		Protein Engineering Corporation	3/22/1990		✓
	20		WO 98/50773		University of Minnesota	11/12/1998		✓
	21		WO 98/59362		Ciphergen Biosystems, Inc.	12/30/1998		✓
	22		WO 98/43086		Kimberly-Clark Worldwide, Inc.	10/1/1998		✓
✓	23		WO 99/40434		Invitrogen	8/12/1999		✓

Examiner Signature

T. (illegible)

Date Considered

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PTO/SR/ORA (08-00)

Substitute for form 1448APTO

**SUPPLEMENTAL  
INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet	1	of	2
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Express Mail Certificate	EV 032 108-281
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**Complete if Known**

<b>Application Number</b>	09/836,746
<b>Filing Date</b>	April 17, 2001
<b>First Named Inventor</b>	Andrew Patron
<b>Group Art Unit</b>	1645 35
<b>Examiner Name</b>	Unknown
<b>Attorney Docket Number</b>	41305-253159

Express Mail Certificate	EV 032 108-281
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## U.S. PATENT DOCUMENTS

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 2

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Application Number	09/836,746
Filing Date	April 17, 2001
First Named Inventor	Andrew Patron
Group Art Unit	1645 55
Examiner Name	Unknown
Attorney Docket Number	41305-253159

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
+	24	Ausubel, F.M. et al., <i>Short Protocols in Molecular Biology, Chapter 9, 2<sup>nd</sup> Edition, (1992)</i>	✓
	25	Barbas, C.F. et al., "Assembly of combinatorial antibody libraries on phage surfaces: The gene III site", <i>Proc. Natl. Acad. Sci., USA, 88:7978-82 (1991)</i>	✓
	26	de Bruin, R. et al., "Selection of high-affinity phage antibodies from phage display libraries", <i>Nature Biotechnology, 17:397-399 (April 1999)</i>	✓
	27	Everall, N.J. et al., "Performance Analysis of an Integrated Process Raman Analyzer Using a Multiplexed Transmission Holographic Grating, CCD Detection, and Confocal Fiber-Optic Sampling", <i>Appl. Spectrosc. 49:610-615 (1995)</i>	✓
	28	Hamilton, David P. & Antonio Regalado, "In Hot Pursuit of the Proteome", <i>Wall Street Journal (April 5, 2001)</i>	✓
	29	Hoaglund-Hyzer C.S., et al., "Mobility Labeling for Parallel CID of Ion Mixtures", <i>Anal. Chem., 72:2737-40 (2000)</i>	✓
	30	Ideue, S. et al., "Conformational change of electrosprayed cytochrome c studied by laser-induced fluorescence", <i>Chemical Physics Letters, 337:79-84, (2001)</i>	✓
	31	Kubarych, K. "Ultrafast Spectroscopy", at <a href="http://phys.chem.utoronto.ca/kjk/research.html">lphys.chem.utoronto.ca/kjk/research.html</a> (2001)	✓
	32	Luckow, V.A., and Max D. Summers, "Trends in the Development of Baculovirus Expression Vectors", <i>BioTechnology 6:47-55 (1988)</i>	✓
	33	Marks, J.D. et al., "Molecular Evolution of Proteins on Filamentous Phage" <i>J. Biol. Chem., 267:16007-16010 (1992)</i>	✓
	34	Pamley, S.F. and G.P. Smith, et al., "Antibody-selectable filamentous fd phage vectors: affinity purification of target genes", <i>Gene, 73:305-318 (1988)</i>	✓
	35	Radeke, H.S., et al., "Interactions of (-)-ilimaquinone with methylation enzymes: implications for vesicular-mediated secretion", <i>Chem. Biol., 6, 639-647 (1999)</i>	✓
	36	Robertsson, G., "Simple and Efficient Multivariate Calibration of Nonlinear Absorption Spectroscopic Data", <i>Appl. Spectrosc., 55:98-103 (2001)</i>	✓
	37	Rotman, D., "Nanotech Goes to Work", <i>Technology Review at www.techreview.com/magazine/jan01/rotman.asp (January 2001)</i>	✓
	38	Sambrook, J. et al, "Current Protocols: Molecular Cloning, Chapter 16, Cold Spring Harbor Laboratory Press (2000)	✓
	39	Sche, P.P. et al., "Display cloning: functional identification of natural product receptors using cDNA-phage display", <i>Chem. &amp; Biol., 6, 707-716 (1999)</i>	✓
	40	Scott, JK and G.P. Smith, et al, "Searching for peptide ligands with an epitope library", <i>Science 249:386-90 (1990)</i>	✓
	41	Scultz, G., "Integrated Monolithic Microfabricated Electrospray Device" available at <a href="http://www.cnf.cornell.edu">www.cnf.cornell.edu</a> (2001)	✓
	42	Soderlind, E. et al., "Phage Display Technology in Antibody Engineering: Design of Phagemid Vectors and in vitro Maturation Systems", <i>Immunol. Rev., 130:109-124 (1992)</i>	✓
	43	Talbot, D., "Upstream: Computing's New Spin", at <a href="http://www.techreview.com/magazine/jan01/upstream.asp">www.techreview.com/magazine/jan01/upstream.asp</a> (January 2001)	✓
	44	"Visualize: DNA Chips", <i>Technology Review at www.techreview.com/magazine/jan01/visualize.asp (January 2001)</i>	✓
✓	45	Winter, G. et al., "Making antibodies By Phage Display Technology", <i>Annu. Rev. Immunol., 12:433-55 (1994)</i>	✓

Examiner Signature

T. Wessing

Date Considered

11/22/03

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